

Description

Caltech QC Balcofloor Resin is a liquid-applied, three-component PMMA-based coating system consisting of Balcofloor Resin, Balcofloor Filler, and Caltech QC Catalyst, designed to provide a seamless hard wearing trafficable surface.

Use

A hard-wearing surfacing system for walkways, balconies, and terraces, delivering a durable and functional finish.

Approvals

- BBA Certificate 17/5392.

Initial Mixing / Decanting

- Thoroughly mix the resin in the drum with a slow speed agitator until the resin achieves a uniform consistency.
- If required, decant a measured weight of resin into a suitable receptacle.

Catalysing

- Measure the appropriate weight of Caltech QC Catalyst for the weight of resin and the temperature.
- Add the catalyst to the pre-mixed resin.
- Thoroughly mix the resin and catalyst using a slow speed mechanical agitator until the catalyst has been evenly distributed.
- Leave the resin and catalyst for 1 - 2 minutes to allow catalyst to dissolve.
- Re-mix prior to slowly incorporating the Balcofloor Filler at a ratio of 2.3 parts filler to 1 part resin (by weight) into the catalysed Balcofloor Resin
- Thoroughly mix the resin and catalyst using a slow speed mechanical agitator until the resin achieves a smooth, uniform consistency and colour.
- Once mixed, use the resin within the pot life.

Temperature	0°C - 5°C	6°C - 15°C	16°C - 35°C
Catalyst %	6%	4%	2%
Catalyst per 10 kg of resin	0.60 kg	0.40 kg	0.20 kg

Product Information

Packaging	Resin: 10kg drums. Filler: 23 kg drums Catalyst: 0.10kg bag / 25kg box
Cure time	Rainproof: approximately 30 minutes at +20°C. Can be walked on / next layer applied: approximately 1 hour at +20°C. Can be subjected to loads after: approximately 2 hours at +20°C.
Pot life	Approximately 15 minutes at +20°C. Times will be slightly increased at lower temperatures and reduced at higher temperatures.
Storage	Store unopened in the original container in a cool, dry, well-ventilated area above freezing and away from direct sunlight. Once opened, reseal the container tightly and avoid direct sunlight during storage on site.
Shelf-life	Approximately 12 months when stored as directed. Store catalyst below 30°C in sealed containers, away from heat, ignition sources, and direct sunlight.

Application

- Prior to application, substrate temperature must be a minimum of 3°C above dew point.
- Waterproof the substrate using Caltech QC Balcony. Refer to the product data sheet for full details.
- Also suitable to be applied direct to prepared substrate.
- Thoroughly mix Caltech Balcofloor Filler, Resin & Catalyst.
- Apply an even coat at a minimum coverage rate of 4 kg/m² using a trowel or stub roller.
- Immediately (within 2 minutes of application), broadcast Caltech Quartz at approximately 6 kg/m² into the wet coating.
- Once fully cured, sweep away excess aggregate and vacuum clean.
- Apply an even coat of catalysed Caltech QC Finish at 0.60 kg/m² using a hard squeegee.

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).